AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method for calculating an Average Picture Value (APL), comprising:

applying a ~~fist~~ first weight to a red data;

applying a second weight to a green data;

applying a third weight to a blue data; and

calculating the APL for the red, green and blue data with the applied weights, wherein the first, second and third weights are determined depending on sizes of red, green and blue sup-pixels, respectively.

2.   (Canceled)

3.   (Original) The method of claim 1, wherein each of the weights has different value in each red, green, blue data.

4.   (Currently Amended) The method of claim 1, wherein ~~the step of~~ applying the weight includes:

multiplying the ~~fist~~ first weight to the red data;

multiplying the second weight to the green data; and

multiplying the third weight to the blue data.

5.   (Currently Amended) The method of claim 4, wherein ~~the step of~~ calculating the APL includes:

calculating a first APL for the red data, a second APL for the green data and a third APL for the blue data;

adding the first APL, the second APL, and the third ~~APLs for the red, the green and the blue data~~ APL to produce ~~the~~ a summation ~~therefor~~ thereof; and

calculating a mean value of the summation.

6.   (Original) The method of claim 1, wherein the weights are changeable.

7.   (Currently Amended) The method of claim 1, wherein the weights are changeable by ~~users~~ a user.

8. (Currently Amended) An apparatus for calculating an Average Picture Level (APL) ~~includes~~ comprising:

means for applying a first weight, a second weight and a third ~~weights~~ weight to a red, a green and a blue data, respectively, wherein the first, second and third weights are determined depending on sizes of red, green and blue sup-pixels, respectively; and

an APL calculator for calculating the APL for the red, the green and the blue data with the applied weights.

9. (Canceled)

10. (Currently Amended) The apparatus of claim 8, wherein the weights have different values in each red, green, and blue data.

11. (Original) The apparatus of claim 8, wherein the means for applying the weights includes:

a first multiplier for multiplying the red data by the first weight;

a second multiplier for multiplying the green data by the second weight; and

a third multiplier for multiplying the blue data by the third weight.

12.   (Currently Amended) The apparatus of claim 11, wherein the APL calculator

calculates a first APL for the red data, a second APL for the green data and a third APL for the

blue data[[;]], the APL calculator further adding the first AP L, the second APL, and the third

~~APLs for the red, the green and the blue data~~ APL to produce ~~the~~ a summation ~~therefore~~

~~thereof;~~ and the APL calculator calculating ~~the~~ a mean value of the summation.

13.   (Original) The apparatus of claim 8, wherein the weights are changeable.

14.   (Currently Amended) The apparatus of claim 8, wherein the weights are

changeable by ~~users~~ a user.

15.   (Currently Amended) A plasma display ~~includes~~ comprising:

        means for applying a first weight, a second weight and a third ~~weights~~ weight to a

red data, a green data and a blue data, respectively, wherein the first, second and third weights

are determined depending on sizes of red, green and blue sup-pixels, respectively;

        an APL calculator for calculating an average picture level (APL) for the red data,

the green data and the blue data with the applied ~~wights~~ weights; and

        a driving circuit for displaying a picture using the APL.

16.   (Canceled)

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17.   (Currently Amended) The plasma display of claim 15, wherein the weights have different values in the red data, the green data, and the blue data, respectively.

18.   (Original) The plasma display of claim 15, wherein the means for applying weights includes:

a first multiplier for multiplying the red data by the first weight;

a second multiplier for multiplying the green data by the second weight; and

a third multiplier for multiplying the blue data by the third weight.

19.   (Currently Amended) The plasma display of claim 18, wherein the APL calculator calculates a first APL for the red data, a second APL for the green data and a third APL for the blue data, the APL calculator further adds the first APL, the second APL, and the third ~~APLs for the red, the green and the blue data~~ APL to produce ~~the~~ a summation ~~therefore~~ thereof, and the APL calculator calculates a mean value of the summation.

20.   (Currently Amended) The plasma display of claim 19, wherein the driving circuit differently controls ~~the~~ a number of sustain pulses according to the calculated mean value.

21.   (Currently Amended) The ~~method~~ plasma display of claim 15, wherein the weights are changeable by ~~users~~ a user.